



Oct 27 10:28a

Maine And Asmus

603 886 4796

P-3

## PART B - FEE(S) TRANSMITTAL

Completed and send this form, together with applicable fee(s), to:

**Mail**      **Mail Stop ISSUE FEE**  
**Commissioner for Patents**  
**P.O. Box 1450**  
**Alexandria, Virginia 22313-1450**  
**or Fax**      **(703) 746-4000**

**INSTRUCTIONS:** This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

42716 7590 08/10/2004

**MAINE & ASMUS**  
**P. O. BOX 3445**  
**NASHUA, NH 03061**

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

**Certificate of Mailing or Transmission**  
I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (703) 746-4000, on the date indicated below.

Debra A. Stenger	(Depositor's name)
Debra A. Stenger	(Signature)
10/27/2004	(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/630,879	07/30/2003	Kenneth R. Erikson	D4601-3CIP	8469

TITLE OF INVENTION: ACOUSTICAL IMAGING INTERFEROMETER FOR DETECTION OF BURIED UNDERWATER OBJECTS

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1330 \$1330	\$300	\$1630 \$1630	11/10/2004
EXAMINER	ART UNIT	CLASS-SUBCLASS			
LOBO, JAN J	3662	367-088000			

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

 Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.

2. For printing on the patent front page, list

(1) the names of up to 3 registered patent attorneys or agents OR, alternatively,

(2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

Maine &amp; Asmus

2. \_\_\_\_\_  
3. \_\_\_\_\_

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

**BAE SYSTEMS INFORMATION AND  
ELECTRONIC SYSTEMS INTEGRATION INC**

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Nashua, NH USA

Please check the appropriate assignee category or categories (will not be printed on the patent):  individual  corporation or other private group entity  government

4a. The following fee(s) are enclosed:

4b. Payment of fee(s):

 Issue Fee A check in the amount of the fee(s) is enclosed. Publication Fee (No small entity discount permitted) Payment by credit card. Form PTO-2038 is attached. Advance Order - # of Copies 3 The Director is hereby authorized to charge the required fee(s), or credit any overpayment, to Deposit Account Number 190130 (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

 a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. b. Applicant is not claiming SMALL ENTITY status. See, e.g., 37 CFR 1.27(g)(2).

The Director of the USPTO is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above.

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

(Authorized Signature)

(Date)

Oct. 27, 2004

This collection of information is required by 37 CFR 1.31. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 1.2 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMIT THIS FORM WITH FEE(S)

PTO-85 (Rev. 07/04) Approved for use through 04/30/2007.

OMB 0651-0033 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

10/28/2004 AWDNDAF2 00000032 190130 10630079

PAGE 3/5 \* RCVD AT 10/27/2004 10:22:28 AM [Eastern Daylight Time] \* SVR:USPTO-EFXRF-2/4 \* DNIS:7464000 \* CSID:603 886 4796 \* DURATION (mm:ss):04:00

01 FC:1501	1370.00 DA
02 FC:1504	300.00 DA

03 FC:8001	9.00 DA
------------	---------



OCT 27 04 10:28a

Maine And Asmus

603 886 4796

p. 2

 PTO/SB/17 (10-04v2)  
 Approved for use through 07/31/2006. OMB 0651-0032  
 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

# FEE TRANSMITTAL for FY 2005

Effective 10/01/2004. Patent fees are subject to annual revision.

 Applicant claims small entity status. See 37 CFR 1.27

**TOTAL AMOUNT OF PAYMENT** **(\$)** 1679.00
**Complete if Known**

Application Number	10/630,079
Filing Date	07/30/2003
First Named Inventor	ERIKSON, Kenneth R.
Examiner Name	LOBO, Ian J.
Art Unit	3662
Attorney Docket No.	D4601-3CIP

**METHOD OF PAYMENT (check all that apply)**
 Check  Credit card  Money Order  Other  None
 Deposit Account:
 Deposit Account **190130**  
 Number  
 Deposit Account **BAE Systems**  
 Name

The Director is authorized to: (check all that apply)

 Charge fee(s) indicated below  Credit any overpayments  
 Charge any additional fee(s) or any underpayment of fee(s)  
 Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.
**FEE CALCULATION****1. BASIC FILING FEE**

Large Entity	Small Entity	Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
1001 790	2001 395			Utility filing fee	
1002 350	2002 175			Design filing fee	
1003 550	2003 275			Plant filing fee	
1004 790	2004 395			Reissue filing fee	
1005 160	2005 80			Provisional filing fee	
<b>SUBTOTAL (1) (\$)</b>					

**2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE**

Total Claims	Independent Claims	Multiple Dependent	Extra Claims Fee from below	Fee Paid
			$-20^* =$ <input type="text"/> X <input type="text"/> = <input type="text"/>	
			$-3^* =$ <input type="text"/> X <input type="text"/> = <input type="text"/>	

Large Entity	Small Entity	Fee Code (\$)	Fee Code (\$)	Fee Description
1202 18	2202 9			Claims in excess of 20
1201 88	2201 44			Independent claims in excess of 3
1203 300	2203 150			Multiplic dependent claim, if not paid
1204 88	2204 44			** Reissue independent claims over original patent
1205 18	2205 9			** Reissue claims in excess of 20 and over original patent
<b>SUBTOTAL (2) (\$)</b>				

\*\*or number previously paid, if greater; For Reissues, see above

**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

Large Entity	Small Entity	Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
1051 130	2051 65			Surcharge - late filing fee or oath	
1052 50	2052 25			Surcharge - late provisional filing fee or cover sheet	
1053 130	1053 130			Non-English specification	
1812 2,520	1812 2,520			For filing a request for ex parte reexamination	
1804 920*	1804 920*			Requesting publication of SIR prior to Examiner action	
1805 1,840*	1805 1,840*			Requesting publication of SIR after Examiner action	
1251 110	2251 55			Extension for reply within first month	
1252 430	2252 215			Extension for reply within second month	
1253 980	2253 490			Extension for reply within third month	
1254 1,530	2254 765			Extension for reply within fourth month	
1255 2,080	2255 1,040			Extension for reply within fifth month	
1401 340	2401 170			Notice of Appeal	
1402 340	2402 170			Filing a brief in support of an appeal	
1403 300	2403 150			Request for oral hearing	
1451 1,510	1451 1,510			Petition to institute a public use proceeding	
1452 110	2452 55			Petition to revive - unavoidable	
1453 1,370	2453 685			Petition to revive - unintentional	
1501 1,370	2501 685			Utility issue fee (or reissue)	1370
1502 490	2502 245			Design issue fee	
1503 660	2503 330			Plant issue fee	
1460 130	1460 130			Petitions to the Commissioner	
1807 50	1807 50			Processing fee under 37 CFR 1.17(q)	
1806 180	1806 180			Submission of Information Disclosure Stmt	
8021 40	8021 40			Recording each patent assignment per property (times number of properties)	
1809 790	2809 395			Filing a submission after final rejection (37 CFR 1.129(e))	
1810 790	2810 395			For each additional invention to be examined (37 CFR 1.129(b))	
1801 790	2801 395			Request for Continued Examination (RCE)	
1802 900	1802 900			Request for expedited examination of a design application	
<b>Other fee (specify) publication fee &amp; 3 advance copies</b>					309
<b>SUBTOTAL (3) (\$)</b>					1679

\*Reduced by Basic Filing Fee Paid

**SUBTOTAL (3) (\$)** 1679

(Complete if applicable)

Name (Print/Type)	Neil F. Maloney	Registration No. (Attorney/Agent)	42,833	Telephone 603-886-6100
Signature			Date	Oct. 27, 2004

**WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete. Including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.